

Q1. Instantiate an object of type Location by default constructor. Which constructors get called?

Ans: Derived Class Default Constructor and Base class Default Constructor

Q2. Instantiate an object of type Location by parameterized constructor using only the coordinates. Which constructor(s) get called?

Ans: Derived Class Parameterized Constructor with address and Base class Default Constructor

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After declaring an abstract class called Element with a pure virtual function called print and modifying the Point and Vector classes to inherit from the class Element publicly and implementing the print function, we can call the print function from an object of type Location as:

```
Location myobject(34,56,"my Location");  
myobject.print();
```

Reason: Location derives publicly from Point class, that means print function is accessible to it.